

# **Computer Preparation Book**

1<sup>st</sup>.Sec Second Term





# **Teacher's Biography**

Name:	••••••
School:	••••••
The educational administration	າ:
Qualification:	••••••
Teaching Subject:	••••••
Comprehensive School:	••••••
The school to which he is delega	ated:
Date of appointment:	•••••••
The job is on the staff:	••••••
Teacher Code:	······································
Mobile Number:	••••••
Teacher Supervi	isor School Principal
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# Daily class schedule

Session Day	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eightieth	Ninth
Saturday									
Sunday									
Monday									
Tuesday									
Wednesday									
Thursday									

Session Day	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eightieth	Ninth
Saturday									
Sunday									
Monday									
Tuesday									
Wednesday									
Thursday									

Teacher	Supervisor	<b>School Principal</b>

# Distribution of computer and information technology content



For 1<sup>st</sup>.Sec - 2024 - 2025

# **Second Term**

Week	Week Topic	
		activities
	- Training in reading Excel sheet data using Visual Basic .NET,	
1	identifying the variables used in the project, and identifying the	
	classifications used in the programming code	
2	- Training in reading Excel sheet data using Visual Basic .NET,	_
2	assigning the values used to the variables, and using the necessary	sor
	code to fill the data controls	<u>es</u>
3	- Complete the exercise of reading Excel sheet data using Visual Basic .NET	Practical parts for each lesson
4		rea
4	- Create the function to read Excel sheet data	s fo
5	- Write the code necessary to fill the combobox tool with the names of the continents	arts
3		<u> </u>
	- Solving questions and exercises on the eighth topic  Topic nine: Writing project code	<u> </u>
	- Write the code necessary to fill the combobox tool with the names of	rac
	countries	
6	- Write the necessary code to display country data using the Label	
	tool.	
	- Solving questions and exercises on the ninth topic	
	Topic Ten: Adding a map and country flag to the Arab Electronic Atlas	
-	program	
7	- Write the necessary code to display the country's flag and map	
	using the picture box tool.	
8	Solving questions and exercises on the tenth topic -	u C
	Topic Eleven: Adding the voice of national peace to the Arab	eachlesson
	Electronic Atlas program	h le
9	- Writing the code necessary to play the country's national anthem	eac
J	sound file	
	- Write the code necessary to turn on or stop the country's national	rts 1
	anthem sound file	pai
10	- Solving questions and exercises on topic eleven	Practical parts for
	Topic Twelve: Adding a video of tourist attractions to the Arab	acti
11	Electronic Atlas program	P.
	- Writing the code necessary to play the video file of the country's	
	touristattractions	
12	Solve questions and exercises on topic twelve	
13 – 14	General review and solution of questions for the second se	mester



# **The General Objectives of Computer**

#### At the end of the second term the student will be able to:

- Using problem solving technique to create an '(Electronic Arabic Atlas)'.
- Manipulating data through the operating system and the Internet.
- 🔼 🥦 Creating a database using one of the Spreadsheets Applications.
- Creating and employing multimedia files.
- Establishing Project's interface and adjusting its properties.
- 🐚 🐚 Using Visual Basic. Net language to display Project's data.
- Writing Project's codes and, other codes to play and stop multimedia files.
- Create and processes audio files through some audio editing and processing programs.
- Create and processes video files through some video editing and processing software.
- 🐚 🦄 Create a communication channel between databases and software
- 🔌 🥦 Initialize and recalls image, audio and video files within the software
- Uses one of the SQL statements (Select)
- 这 🥦 Employ image, audio and video files within the software

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Teacher	Supervisor	School Principal



# The specified objectives of computer

#### At the end of the second term the student will be able to:

- > Write the code required to retrieve data from an Excel sheet.
- Write the code required to display data through their corresponding controls on the user interface window.
- **Explain** what is meant by the following terms:
- ADO
- Class.
- Object.
- Namespace.
- **■** Framework.
- SQL
- > Write the code to open a communication channel.
- ≥ Declare the variables needed to open a communication channel.
- ➤ Write the code for loading an Excel file into memory.
- Assign data in Spreadsheet' columns located in the memory, to their corresponding controls on the user interface window.
- > Write the code required to retrieve data from an Excel sheet,
- Write the code required to display data through their corresponding controls on the user interface window.
- > Write the code for displaying images through the user interface controls.
- 🔈 🖎 Prevent possible errors while running the program.
- ➤ Show off the image file types inside the folder.
- ≥ Identify the path where image files will be saved.
- ➤ Write the program code to play or stop a sound file; when pressing the command button
- **™** Declare variables and specify their location; on the level of class, or procedure.
- ≥ Show the audio file types inside the folder.
- ➤ Specify the path where sound files are saved
- ➤ Write the program code to play or stop a video file.
- Specify the path where video files are saved.
- ≥ Show the video file types inside the folder.

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Date			
Session			
Class			



Reading data from an Excel sheet using Visual Basic.net

Learning Objectives:	Strategy	
By the end of the lesson, the student should be able to:	Brain storming - Dialogue and discussion	
<ul> <li>Explain what is meant by the following terms "Ado – Class – Object"</li> <li>Write the code to open a communication channel.</li> <li>Declare the variables needed to open a communication channel</li> </ul>	Criticalthinking	
	Teaching aids	
	Electronic board - Student's Book - - presentation	

Warm up / While writing program code in Visual Studio.NET, you will use certain terms and apply the main concepts that you studied last year. Also you will learn some new terms that follows:

Lesson Presentation

Date			
Session			
Class			



Use the code to populate the controls

Learning Objectives:	Strategy			
By the end of the lesson, the student should be able to:	Brain storming - Dialogue and discussion			
Explain what is meant by the following terms "Ado –	<ul><li>Active Learning</li></ul>			
Class – Object"  Write the code to open a communication channel.	Teaching aids			
<ul> <li>Declare the variables needed to open a communication channel</li> </ul>	Electronic board - Student's Book - - presentation			

Warm up / What is the meant by Structured Query Language

Lesson Presentation

Date			
Session			
Class			



Write a code to fill in the names of the continents

`		
Learning Objectives:	Strategy	
By the end of the lesson, the student should be able to:	Brain storming - Dialogue and	
Write the code to open a communication channel.	discussion - Collaborative learning	
<ul> <li>Declare the variables needed to open a communication channel.</li> </ul>	Teachingaids	
Write the code for loading an Excel file into memory.	Electronic board - Student's Book - - presentation	

Warm up / What is the meant by Structured Query Language

<b>Lesson Presentation</b>

Date			
Session			
Class			



Reading data from an Excel sheet using Visual Basic.net

Learning Objectives:	Strategy	
By the end of the lesson, the student should be able to:		
Declare the variables needed to open a communication channel.	Dialogue and discussion - Critical thinking	
Write the code for loading an Excel file into memory.	Teaching aids	
<ul> <li>Assign data in Spreadsheet' columns located in the memory, to their corresponding controls on the user interface window.</li> </ul>	Electronic board - Student's Book - - presentation	

Warm up / How many operands are assigned to this function?

Lesson Presentation

Date			
Session			
Class			



Reading data from an Excel sheet using Visual Basic.net "Questions"

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Learning Objectives:	Strategy
By the end of the lesson, the student should be able to:	Dialogue and discussion - Critical thinking
Mention the most important term for the lesson.	
Write the code for loading an Excel file into	Teaching aids
memory.	Electronic board - Student's Book -
Solve the lesson's question correctly.	- presentation

Warm up / Solve Student's book Exercises.

Lesson Presentation

Date			
Session			
Class			







Learning Objectives:	Strategy	
By the end of the lesson, the student should be able to:	Dialogue and discussion - Critical thinking - Brain Stoarming	
Write the code required to retrieve data from an Excel sheet.		
Write the code required to display data through their	Teaching aids	
corresponding controls on the user interface window.  Detects possible errors and displays the appropriate error message.	Electronic board - Student's Book - - presentation	

Warm up / When the event " SelectedIndexChanged " is executed?

<b>Lesson Presentation</b>	

Date			
Session			
Class			



Adding the country flag and its map in (Electronic Arabic Atlas)

Learning Objectives:	Strategy	
By the end of the lesson, the student should be able to:	Dialogue and discussion - Critical	
<ul> <li>Write the code for displaying images through the user interface controls.</li> </ul>	thinking-Brain Storming	
Prevent possible errors while running the program.	Teaching aids	
Show off the image file types inside the folder.	Electronic board - Student's Book - - presentation	

Warm up / What is the property responsible for inserting an image into the Picture box tool? **Lesson Presentation** 

Date			
Session			
Class			



Adding the country flag and its map in (Electronic Arabic Atlas)

"Questions"

Learning Objectives:	Strategy	
By the end of the lesson, the student should be able to:	Dialogue and discussion - Critical	
<ul> <li>Write the code for displaying images through the user interface controls.</li> </ul>	thinking-Brain Storming	
Prevent possible errors while running the program.	Teaching aids	
<ul> <li>Identify the path where image files will be saved.</li> </ul>	Electronic board - Student's Book -	
identify the path where things inco will be dured.	- presentation	

Warm up / Solve Student's book Exercises?

<b>Lesson Presentation</b>

Date			
Session			
Class			



Adding the national anthem sound file to (Electronic Arabic Atlas)

Learning Objectives:	Strategy	
By the end of the lesson, the student should be able to:	Dialogue and discussion - Critical	
<ul> <li>Write the program code to play or stop a sound file; when pressing the command button</li> </ul>	thinking- Brain Storming	
Declare variables and specify their location; on the level	Teaching aids	
of class, or procedure.	Electronic board - Student's Book -	
Show the audio file types inside the folder.	- presentation	

Warm up / How to insert an audio file into W.M.P tool?

Lesson Presentation

Date			
Session			
Class			



Adding the national anthem sound file to (Electronic Arabic Atlas)

"Question"

Learning Objectives:	Strategy
By the end of the lesson, the student should be able to:	Dialogue and discussion - Critical
<ul> <li>Write the program code to play or stop a sound file; when pressing the command button</li> </ul>	thinking- Brain Storming
<ul> <li>Declare variables and specify their location; on the level</li> </ul>	Teaching aids
of class, or procedure.	Electronic board - Student's Book -
Show the audio file types inside the folder.	- presentation

Warm up / Solve Student's book Exercises?

<b>Lesson Presentation</b>

Date			
Session			
Class			



Adding the Video file of tourist attractions to (Electronic Arabic Atlas)

Learning Objectives:	Strategy	
By the end of the lesson, the student should be able to:	Dialogue and discussion - Critical thinking -	
Write the program code to play or stop a video file.	Brain Storming	
Specify the path where video files are saved.	Teaching aids	
Show the video file types inside the folder.	Electronic board - Student's Book -	
··	- presentation	

Warm up / How to hide or show windows media player tool?

Lesson Presentation	

Date			
Session			
Class			



Adding the Video file of tourist attractions to (Electronic Arabic Atlas) - "Question"

Learning Objectives:	Strategy	
By the end of the lesson, the student should be able to:	Dialogue and discussion - Critical thinking -	
can revise project code	Brain Storming	
Specify the path where video files are saved.	Teaching aids	
<ul> <li>Show the video file types inside the folder.</li> </ul>	Electronic board - Student's Book - - presentation	

Warm up / How to insert a video into windows media player from a file?

Lesson Presentation

Date			
Session			
Class			



# **Lesson 13**Revision

Learning Objectives:	Strategy	
By the end of the lesson, the student should be able to:	Dialogue and discussion - Critical thinking -	
Identify the most important terms of the lesson.	Brain Storming	
Solve the student's book exercises.	Teaching aids	
Write the project's code in right way.	Electronic board - Student's Book -	
	- presentation	

Warm up / What are the most important basics of Atlas project?

Lesson Presentation

Date			
Session			
Class			



# Lesson 14 Revision

Learning Objectives:	Strategy	
By the end of the lesson, the student should be able to:	Dialogue and discussion - Critical thinking -	
Identify the most important terms of the lesson.	Brain Storming	
Solve the student's book exercises.	Teaching aids	
Write the project's code in right way.	Electronic board - Student's Book -	
	<ul><li>presentation</li></ul>	

Warm up / What are the most important basics of Atlas project?

Lesson Presentation	